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मानक

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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

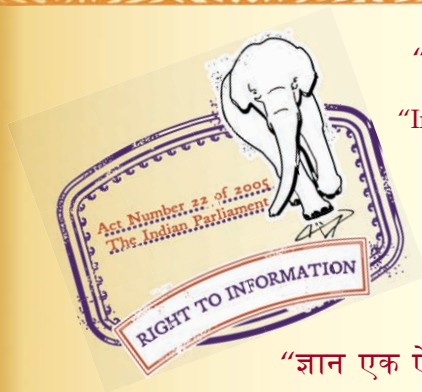
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 10541 (1991): Cardiovascular Surgery Instruments - Clamps, Vena Cava, Satinsky Pattern - Shape, Sizes and Dimensions [MHD 6: Thoracic and Cardiovascular Surgery Instruments]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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भारतीय मानक

हृदयवाहिका शल्यक्रिया उपकरण — क्लैंप, महा शिरा
सैटिन्स्की नमूने वाले — आकृति, आकार एवं आयाम

(पहला पुनरीक्षण)

Indian Standard

CARDIOVASCULAR SURGERY INSTRUMENTS —
CLAMPS, VENA CAVA, SATINSKY PATTERN —
SHAPE, SIZES AND DIMENSIONS

(*First Revision*)

UDC 615.472.2:616.12-089

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BUREAU OF INDIAN STANDARDS
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Price Group 1

FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Thoracic and Cardiovascular Surgery Instruments Sectional Committee had been approved by the Medical Equipment and Hospital Planning Division Council.

This standard was first issued in 1983 covering specifications for Satinsky Vena Cava clamps. It has been revised so as to retain the requirements in respect of shape, sizes and dimensions only, as the specification part of these type of instruments is now covered in IS 3642 (Part 1) : 1990 'Specification for surgical instruments : Part 1 Non-cutting, articulated type instruments (second revision).' This standard is, therefore, intended to be used only in respect of the shapes, sizes and dimensions of Vena Cava clamps which are referred to in 4.1 of IS 3642 (Part 1) : 1990.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (revised).' The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard

CARDIOVASCULAR SURGERY INSTRUMENTS — CLAMPS, VENA CAVA, SATINSKY PATTERN — SHAPE, SIZES AND DIMENSIONS

*(First Revision)***1 SCOPE**

1.1 This standard prescribes shape, sizes and dimensions for Satinsky pattern, Vena Cava clamps used in cardiovascular surgery.

2 REFERENCE

2.1 The Indian Standard IS 3642 (Part 1) : 1990 'Specification for surgical instruments : Part 1 Non-cutting articulated type instruments (*second revision*)' forms a necessary adjunct to this standard.

3 SHAPE, SIZES AND DIMENSIONS

3.1 The shape, sizes and dimensions for the Satinsky, pattern Vena Cava clamps shall be as shown in Fig. 1.

3.2 Joints

The joint shall be box type conforming to IS 3642 (Part 1) : 1990.

3.3 Serrations

The serrations shall be of atraugrip type with 60° profile as shown in Fig. 1 and shall conform to the requirements of IS 3642 (Part 1) : 1990.

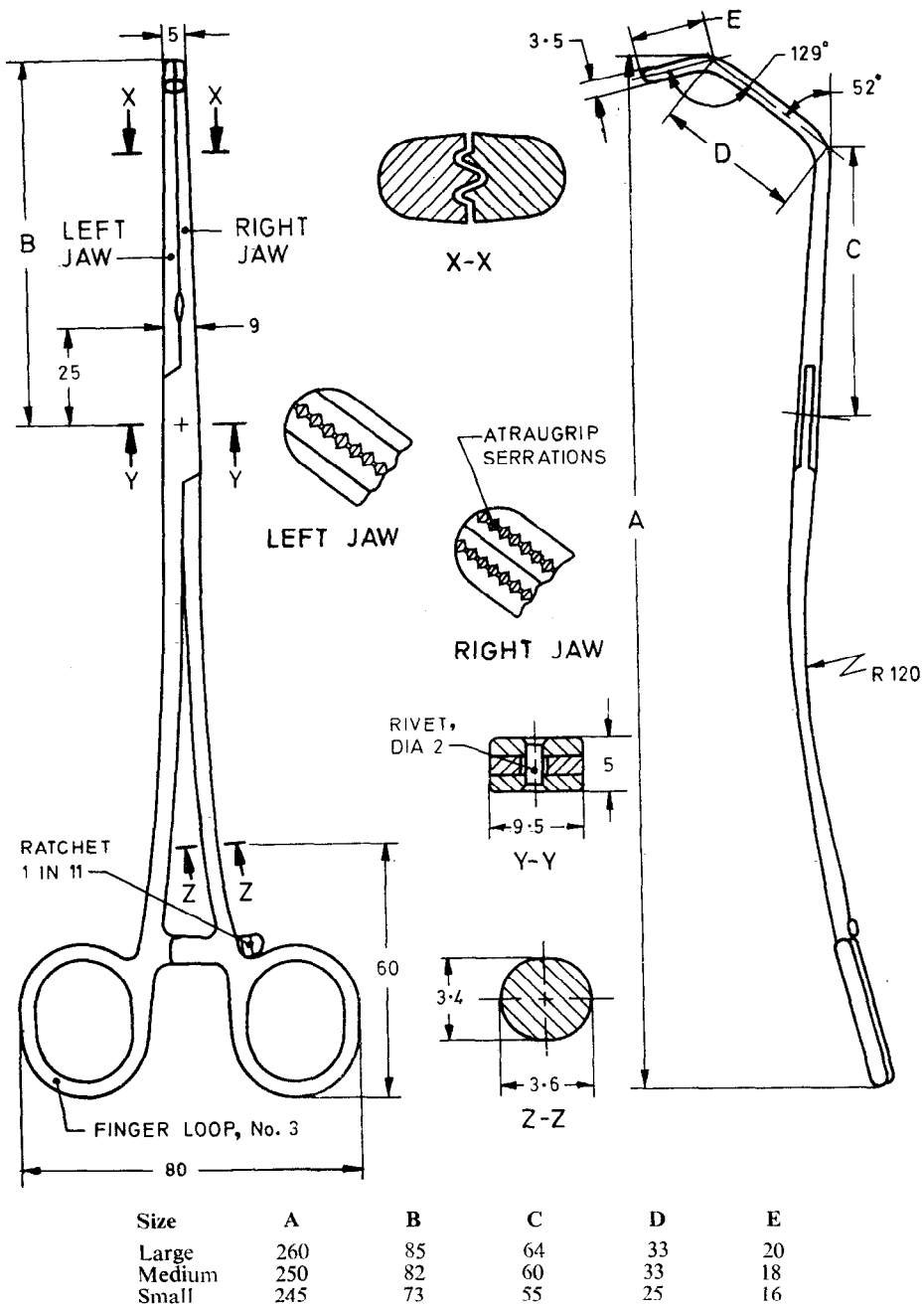
3.4 Ratchet

The ratchet teeth shall conform to IS 3642 (Part 1) : 1990 with a combination of I in II.

3.4.1 The ratchet teeth shall be designed such that the force required to close the clamp at first step of the ratchet shall be 2.5 N, for the second step 5 N and so on.

3.5 Finger Loop

The finger loop shall conform to Size No. 3 of IS 3642 (Part 1) : 1990.



All dimensions in millimetres.

FIG. 1 CLAMPS, VENA CAVA, SATINSKY PATTRNE

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